

Prot. 33926 15.05.2024

Subject: Selection procedure for the conferral of 1 (one) 18-month research collaboration grant for the School of Science and Technology – Academic Discipline FIS/08, on the topics of the NQSTI Project - CUP J13C22000680006, Extended Partnership of the PNRR Mission 4 “Education and research” - Investment 1.3 “Partnerships extended to universities, research centres, companies, and financing of research projects”, funded by the European Union - Next Generation EU, Head of Research Project: Ms. Irene Marzoli – CALL / NOTICE OF SELECTION PROCEDURE

THE RECTOR

HAVING REGARD TO Law No. 240 of 30 December 2010, in particular Art. 22 containing provisions regarding “Research Grants”, in force until 29 June 2022;

HAVING REGARD TO Decree-Law No. 36 of 30 April 2022, converted with amendments by Law No. 79 of 29 June 2022, published in the Official Gazette – General Series – No. 150 of 29 June 2022, which entered into force on 30 June 2022, containing further urgent measures for the implementation of the Italian National Recovery and Resilience Plan (Italian acronym: PNRR), which in article 14 paragraph 6-septies introduces research contracts, which will replace research grants, specifying in the following paragraph 6-quaterdecies that it will be possible to continue to launch procedures for the awarding of research grants, limited to the resources already programmed or approved by the respective governing bodies until 31 December 2022;

WITH REFERENCE TO Decree-Law No. 215 of 30 December 2023 (the so-called “Milleproroghe” [one-thousand extensions] decree 2024), not yet converted into law, which in art. 6, paragraph 4 further modifies the deadline established by law No. 79 of 29 June 2022 to announce the selective procedures for research grants, extending it to 31 July 2024;

HAVING ACKNOWLEDGED that at the moment no procedures for the award of research contracts have ever been announced;

WITH REFERENCE TO the Regulation still in force on the Conferral of Research Grants, issued with Rector’s Decree No. 6408 of 07 February 2020;

HAVING REGARD TO Ministerial Decree of 9 March 2011, pursuant to Art. 22 of Law No.

240/2010, which established that the minimum amount to be attributed to the holders of research collaboration grants is € 19,367.00;

HAVING REGARD TO Ministerial Decrees of 26 February 1999 and of 04 May 1999, respectively concerning identification and reclassification of academic disciplines in university studies, subsequently amended by Ministerial Decree of 04 October 2000;

HAVING REGARD TO Law No. 241 of 7 August 1990, as amended, containing rules on administrative procedure and the right of access to administrative documents, in compliance with the principles of legality, economy, effectiveness, impartiality and transparency;

HAVING REGARD TO Presidential Decree No. 445 of 28 December 2000, and subsequent amendments, providing for the so-called "Consolidated Act on legislative and regulatory provisions with reference to administrative documentation";

HAVING REGARD TO Legislative Decree No. 33 of 14 March 2013, as amended by Legislative Decree No. 97 of 25 May 2016, providing for "Reorganisation of the regulation concerning the right of civic access and the obligations of publicity, transparency and dissemination of information by Public Administrations";

HAVING REGARD TO the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers, signed by the University of Camerino in July 2005;

WITH REFERENCE TO the Code of Ethical Conduct of the University of Camerino, issued with Rector's Decree, No. 16 of 3 February 2015, and amended by Resolution of the Board of Directors No. 93/2019 of 26 June 2019, and with Rector's Decree No. 123/2023, Protocol No. 27774 of 19 April 2023;

WITH REFERENCE TO the Integrated Plan of Activities and Organisation (Italian acronym: PIAO) 2023-2025, adopted by the Board of Directors in the meeting of 31 January 2023, containing the measures adopted for the prevention of corruption, as indicated by Law No. 190 of 06 November 2012;

WITH REFERENCE TO THE Gender Equality Plan 2022-2024 by virtue of which the University of Camerino guarantees equality and equal opportunities between men and women as regards access to employment and the related work, payment, and social security conditions;

WITH REGARD TO Law No. 127 of 15 May 1998, in particular Art. 3, paragraph 7, which provides for a preference in favour of the younger candidate as a preferential element in the recruitment of personnel in the event of an equal score;

CONSIDERING that the Ministry of University and Research is the assignee of resources for the implementation of the interventions of the PNRR in the context of Mission 4 - Component 2 "From research to business" (hereinafter "M4C2");

ACKNOWLEDGING that within the scope of Mission 4, Component 2 "From research to business" intends to strengthen research and encourage the dissemination of innovative models for basic and applied research conducted in synergy between universities and businesses, support processes for innovation and technology transfer, strengthen research infrastructures, capital and skills to support innovation;

WITH REGARD TO Director's Decree No. 1564 of 11 October 2022 for admission to funding, with which the funding equal to 115,900,000.00 euros of the Extended Partnership entitled "National Quantum Science and Technology Institute (NQSTI)" was approved, area of intervention "4. Quantum Science and Technology", for the implementation of the Research and Innovation Program entitled "National Quantum Science and Technology Institute (NQSTI)";

CONSIDERING that this selection procedure complies with the principles established by articles 5 and 9 of EU Regulation 2021/241, i.e. the object of the selection does not replace current national expenses, and is additional and complementary to the support provided in the context of other programs and instruments of the European Union;

TAKING INTO ACCOUNT that this project plans to contribute to the following common indicator: M4C2 – I.3.1 Fund for the creation of an integrated system of research and innovation infrastructures, the specifications of which are the following: 8. Researchers working in supported research centres (female; male; non-binary) and 9. Supported enterprises - (small including micro; medium; large);

WITH REFERENCE TO the Resolution of the Board of the School of Science and Technology No. 156 of 10 April 2024 relating to the request for the activation of a selective procedure for the activation of an 18-month research grant for the School of Science and Technology – Academic Discipline: FIS/08 "Teaching and History of Physics" on the topics of the NQSTI Project - CUP J13C22000680006, Extended Partnership of the PNRR Mission 4 "Education and research" – Component 2 - Investment 1.3 "Partnerships extended to universities, research centres, companies and financing of research projects", funded by the European Union – Next Generation EU – Research Tutor: Ms. Irene Marzoli;

WITH REFERENCE TO the Resolutions of the Board of Directors and the University Senate, relating to their meetings of 23 April 2024, with which the activation of the aforementioned research grant was approved;

ASCERTAINED the financial availability for the activation of an 18-month research grant of € 45.000,00 (including all the charges for which the Entity is responsible), which shall be borne by the cost centre/project: NQSTI - Spoke 2, held by Prof. David Vitali

DECREES

Art. 1 Subject

Selection procedure, based on qualifications only, for conferral of 1 (one) 18-month research grant for the carrying out of research activities at the School of Science and Technology:

SCHOOL OF SCIENCE AND TECHNOLOGY

Research Area: 02 “Physical Sciences”

Academic Discipline: FIS/08 “Teaching and History of Physics

Research Project Title: “*Design, implementation and evaluation of innovative strategies for teaching and learning quantum mechanics*”

Research Activity to be carried out: The candidate will work on the design of a teaching-learning sequence of quantum mechanics based on the quantum version of the popular board game Tic-Tac-Toe (known in Italy as “Tris”). The game, called “QTris”, adopts the same rules of quantum mechanics and faithfully reproduces the three phases of any quantum experiment: preparation, operations, and measurement. The teaching sequence will be implemented and validated during professional training courses for secondary school teachers, with the possible involvement of students and pupils. To evaluate the learning outcomes, a pre- and post-intervention questionnaire will be created and administered. The data collected will be analysed with statistical methods typical of physics teaching research. Furthermore, clinical interviews may be conducted on a voluntary basis. The research is part of the training and dissemination actions envisaged by the NQSTI project.

Duration of the grant: 18 months (with possibility of renewal)

Gross cost of the grant: € 36.480,00

Head of Research Project: Ms. Irene Marzoli

Location: Physics Centre, via Madonna delle Carceri, 62032 Camerino

Admission requirements and qualifications: Master’s Degree in **Physics** (class LM-17), or an equivalent.

Qualifications valid for evaluation: PhD. Publications related to the research topic.

Excellent knowledge in English language is required for participation.

Selection procedure methodology: Based only on qualifications.

Art. 2 Requirements for participation in the selection procedure

The following shall be admitted to the selection procedure for the conferral of research grants:

- Candidates in possession of a Masters' degree (or an equivalent) in the Class indicated in Art. 1 of this Notice of Competition
- Candidates having a scientific-professional curriculum suitable for carrying out the research activity indicated in Art. 1 of the Notice.

The aforementioned admission requirements must be met on the expiry date of this Call for applications, under penalty of exclusion.

Foreign citizens must be in possession of a degree equivalent to those previously mentioned. Equivalence must be certified by competent authorities.

Research grants shall not be awarded to permanent staff members at universities, public research and experimentation agencies and institutions, the Italian National Agency for New Technologies, Energy and Sustainable Development (ENEA), the Italian Aerospace Agency (ASI), as well as at the institutions conferring scientific specialisation degrees recognised as equivalent to a PhD degree pursuant to Art. 74, paragraph 4 of Presidential Decree. No. 382 of 11 July 1980.

Candidates excluded from the active political electorate shall not be admitted to the selection procedure.

Pursuant to Art. 18, paragraph 1, letters b) and c) of the Law No. 240/2010 and Art. 1, paragraph 3 of the Regulations, candidates having a degree of kinship or affinity, up to and including the fourth degree, with a Professor working at the School publishing the proposal for the activation of the contract, or with the Rector, Director-General, or a member of the University's Board of Governors, shall not be admitted to the selection procedure.

Foreign citizens must also meet the following requirements:

- a) enjoying full civil and political rights in the Country of origin or provenance;
- b) meeting all the requirements necessary for the Italian citizens, except for the Italian citizenship,
- c) having adequate knowledge of the Italian language.

At any time, and by reasoned decision, the University Administration may order exclusion from the selection procedure due to lack of necessary requirement.

Furthermore, candidates who have already been awarded research grants by any institution, pursuant to Law No. 240/2010, for a period exceeding 6 years when summed up with the duration of this grant, shall not be admitted to this selection procedure. If the grant has been awarded during a PhD programme without a scholarship and up to the legal duration of the course., that period is not counted.

Furthermore, candidates who have held contracts as research fellows or fixed-term researchers, pursuant to Articles 22 and 24 of Law No. 240/2010, with the University of Camerino or any other Italian university, government, non-government or online, or with institutions described in Art. 22, paragraph 22 of Law No. 240/2010, for a period exceeding 12 years, when summed up with the duration of this grant, even if not continuous, shall not be admitted to this selection procedure.

Periods spent on maternity leave or sick leave, according to the current legislation, shall not be taken into account for the purposes of the duration of the aforementioned work relationships.

The Administration reserves the right to order, at any time, by means of a motivated provision, the exclusion from the selection procedure due to lack of the prescribed requisites.

Art. 3

Application and presentation deadline

The application and the related attachments must be submitted exclusively through the computer application system adopted, available at the link indicated on the webpage on which the Notice of the Selection Procedure was published.

For the online submission of the application, candidates must have an ordinary e-mail address (not certified e-mail), for the purposes of registering with the system. Registration must be done at the time of first access.

Please note that the e-mail address indicated by the candidate during registration will be used by this Administration for all subsequent communications relating to the selection procedure in question.

All information needed for the correct completion and submission of the application is available in the “*Guide to completing the online application*”, published on the application form home page.

The application must be submitted exclusively through the online procedure indicated in the Notice, containing the following wording, which differs according to the position announced:

“Selection procedure for one (1) 18-month research collaboration grant for the School of Science and Technology – Academic Discipline FIS/08 “Teaching and History of Physics”, on the topics of the NQSTI Project - CUP J13C22000680006, Extended Partnership of the PNRR Mission 4 “Education and research” - Investment 1.3 “Partnerships extended to universities, research centres, companies and financing of research projects”, funded by the European Union - Next Generation EU - Head of Research Project: Ms. Irene Marzoli”.

Applications presented in ways other than online will not be considered admissible and therefore will be excluded.

Applications for participation must be sent electronically, under penalty of exclusion, by 11:59 p.m. (Italian time) on the thirtieth day following that of publication of this Notice on the website.

If the deadline of the Notice falls on a Saturday or a public holiday, the deadline will be postponed to the first next working day.

Each candidate can send only one application.

The application and its attachments must be sent in one of the following formats: PDF, JPG, JPEG, PND (maximum size for each attachment 5MB).

Successful application and date of receipt of the application is certified by the computer system by means of a receipt, which will be automatically sent to the e-mail address provided by the candidate during registration.

The computer application system for submitting the application will remain active even on any days when the University is closed.

After the deadline for submitting applications, the system will no longer allow submissions.

Assistance with the online compilation may be requested by sending a specific support request directly from within the platform and will be suspended starting from the twenty-ninth day from publication of the Notice, and until the deadline for the online compilation and submission of the application.

In the application, candidates must declare, assuming full civil, criminal, and administrative responsibility, the following:

- 1) Their first name, last name, and tax code;
- 2) Date and place of birth;
- 3) Their residence;
- 4) Contact details chosen for the purposes of this selection (in particular, the domicile if different from the residence, the ordinary e-mail address to which all communications relating to this selection procedure should be sent, and the mobile phone number);
- 5) To have Italian citizenship and related enjoyment of civil and political rights;
- 6) Not to have been excluded from the active political electorate;
- 7) Not to have been disqualified from holding public offices or have been dismissed (for disciplinary reasons), or not to have been dismissed from employment in a Public Administration for persistent underperformance, or not to have been deprived of the right to hold a state job for having obtained it through the production of false documents or documents vitiated by non-amendable invalidity;
- 8) To have no criminal convictions, or any pending criminal proceedings (otherwise, indicate which ones);
- 9) That a permanent psychophysical unsuitability for service in the Public Administrations has not been ascertained;
- 10) The degree held, with an indication of the date it was awarded, and the University where it was awarded, pursuant to article 46 of the Presidential Decree No. 445/2000;

- 11) The PhD title held, if any, as well as the date it was awarded, and the University where the PhD course was held, pursuant to article 46 of the Presidential Decree No. 445/2000;
- 12) To hold no other scholarship, fellowship or research grant, and undertaking to renounce them in case of becoming successful candidates in this selection procedure;
- 13) To have no degree of kinship or affinity, up to and including the fourth degree, with a Professor working at the School publishing the Notice, or with the Rector, Director-General, or a member of the University's Board of Governors; Failure to present this last declaration shall result in the exclusion from the procedure;
- 14) Not to have been holders, or having been holders of research grants, indicating, in the latter case, the duration;
- 15) Not to have been holders, or having been holders of a fixed-term Researcher contract, indicating, in the latter case, the duration;
- 16) Authorising the University of Camerino to publish their curriculum, without personal data, on the University website.

In particular, candidates who are citizens of non-EU countries must also declare in the application, assuming full responsibility, the citizenship they hold, to enjoy civil and political rights also in the country of origin, and to have adequate knowledge of the Italian language.

Candidates with disabilities, pursuant to Law No. 104 of 05 February 1992, in their application must make an explicit request in relation to their disability and regarding the aid necessary for the completion of the interview, if any.

Candidates must attach the following to the application:

- 1) **Curriculum vitae, bearing their signature and the date.** A copy of the curriculum, omitting the personal data (pursuant to Art. 4, paragraph 3 of Legislative Decree No. 33/2013), must also be sent in PDF format to one of the following e-mail addresses: francesca.ansocini@unicam.it. The curriculum must contain a specific declaration in lieu of affidavit, in which it is declared that what is reported in the same is true, pursuant to articles 19 and 47 of Presidential Decree No. 445/2000.
- 2) **All documents and qualifications deemed relevant for the purposes of the procedure, and a list of the same** (publications, degree theses, any doctoral theses, certificates of courses, various diplomas, etc.), pursuant to articles 19 and 47 of Presidential Decree No. 445/2000. It should be noted that any publications in a foreign language must be produced in the original language; the same must be translated into Italian or French, or English, or German, or Spanish, only if the original is produced in a language other than those already mentioned;
- 3) **Degree(s) obtained abroad, required for admission to this selection:**
 - a) original copy or a copy authenticated by an Italian authority, notarised and accompanied by a certified or sworn translation;

b) with attached declaration of value or the transcripts of the exams taken, relative to the degree required for participation;

In order to ensure the broadest possible participation in the procedure, candidates unable to present a degree obtained abroad when submitting the application, as indicated in the previous paragraph, must enclose with the application a photocopy of the degree accompanied by translation in Italian or English, and then, necessarily present the original or certified copy of the degree(s), if they are the winners of the selection procedure. The foreign qualification can be declared admissible by the Selection Committee, for the sole purpose of admission to this procedure.

4) A copy of a valid identity document;

The University Administration reserves the right to verify the veracity and authenticity of the statements produced.

Candidates are admitted to the selection with reserve (conditional admission).

The Administration may decide at any time, on the basis of its own motivated provision, even after the tests have been carried out, to exclude a candidate from the selection procedure.

The exclusion will be communicated to the interested party directly, via email.

Art. 4 Selection Committee and selection procedure

The Committee is appointed by Rector's Decree and is made up of the Head of Research Project and two other members, as well as a substitute member, Professors or Researchers, belonging to the academic discipline relating to the project or to the related sector.

If the funds for the disbursement of the grant derive in whole or in part from external funding, a member of the Committee may be an expert, indicated by the funding body, with particular documented competence with respect to the subject of the research program. The external member shall also be subject to the rules of the University's Code of Ethics.

The Committee shall be made known by publishing the nomination decree on the University website, together with the individual names of the Committee members and their curricula.

The selection procedure shall take place through the evaluation of the qualifications and publications presented by the candidates, and shall be carried out on the basis of the declarations submitted.

When evaluating the qualifications, the Selection Committee shall consider the doctoral degree or equivalent qualification obtained abroad as a preferential qualification.

When evaluating the qualifications, only publications and specific qualifications relevant to the research activity to be carried out and showing the level of scientific and professional qualification achieved by the candidates will be taken into account.

At the end of each meeting, the Committee shall draw up a specific report.

At the end of its work, the Committee shall draft a list of qualified candidates on the basis of the evaluation of qualifications and publications presented by the candidates.

With regard to scientific production, the Committee shall also evaluate the degree of creativity and autonomy shown by the candidate.

In case of renunciation of the successful candidates before the beginning of the activity, or in case of early termination due to unjustified failure to start the research activity, the grants may be conferred to suitable candidates, according to the order of the respective rankings.

The Rector, by Rector's Decree, shall ascertain the regularity of the acts of the selection procedure, consisting of the minutes of each meeting of the Committee, and shall approve the ranking list, which shall be immediately effective.

The results of the selection procedure shall be communicated to the winner of the grant, who will be invited to enter into a private-law contract in which the contractual rights and obligations shall be indicated. This contract does not in any way constitute an employment contract and does not give any right with regard to access to the tenured positions at the University.

No communication shall be sent to any other candidates, who will be able to find out the results of the selection procedure from a Decree approving the procedure acts, published on the University website (www.unicam.it) in the section "Personnel" - "Competitions and Selections" – "Procedures for research grants" – "Closed calls", and in the UNICAM online notice board (<https://titulus-unicam.cineca.it/albo/>).

Art. 5

Conferral of the research grant

The conferral of the grant is formalised by deliberation of the Director General.

The grant shall be effective from the first day of the month following the Rector's Decree approving the selection procedure documents, unless there is a subsequent starting date resulting from the programs of the research structure and from agreements between the parties.

The research activity must be continuous. The methods of carrying out the research are governed by the organisational provisions in force at the School.

The grant is normally paid in deferred monthly instalments.

Accident insurance coverage is guaranteed to grant holders, in accordance with current legislation.

The grant holder may withdraw, subject to thirty days- notice or a shorter term, if justified. In the event of withdrawal within three months of the effective date, the grant made available shall be

attributed, at the original deadline, to the first candidate placed in a successful position in the ranking list of the corresponding selection procedure.

Art. 6 Renewal

The research grant, subject to a reasoned request from the Head of Research Project, approved by the School Council, can be renewed in compliance with the maximum limit of 36 months: however, the duration of the renewal can never be less than six months.

Art. 7 Incompatibility, rights, and duties

Incompatibility, rights and duties are established in Articles 8 and 9 of the Research Grant Regulations available on the website of the University of Camerino at: <https://www.unicam.it/ateneo/regolamenti-cat>.

Art. 8 Head of the Research Project

Head of the Research Project is a Full Professor or Senior Researcher, under whose guidance and direction the research activities envisaged by the grant are carried out.

Art. 9 Personal data processing

Pursuant to Art. 13 of the General Data Protection Regulation (EU Regulation 2016/679), candidates are hereby informed that the processing of personal data they provide when participating in the competition or in any case acquired for this purpose by the University of Camerino, is aimed solely at carrying out the activities of the selection procedure and the possible recruitment into service, and will be carried out by the persons in charge of the selection procedure, including the Selection Committee, with the use of IT procedures, in the ways and within the limits necessary to pursue the aforementioned purposes, even in the event of any communication to third parties. The provision of such data is necessary to verify the participation requirements and possession of the required qualifications, and failure to provide them may preclude this verification, and therefore may lead to exclusion from this procedure. Candidates are entitled to the rights referred to in articles 15 et seq. of the aforementioned Regulation 2016/679; in particular, the right to access their personal data, to request their rectification, cancellation, limitation of processing, as well as to oppose their processing.

Interested parties who believe that the processing of personal data referring to them occurs in violation of the provisions of the Regulation have the right to lodge a complaint with the Guarantor, as foreseen by Art. 77 of the Regulation, or to take the appropriate judicial measures, according to the provisions of art. 79 of the Regulation.

The Data Controller is the University of Camerino, with registered office in Camerino, Piazza Cavour 19/f (the operational headquarters, following the post-earthquake condemnation of the Piazza Cavour office, are in via D'Accorso No. 16 – Rector's Office – University Campus), Certified e-mail: protocol@pec.unicam.it.

The University of Camerino has appointed a Personal Data Protection Officer, whose contact details are: E-mail: rpd@unicam.it; Certified e-mail: rpd@pec.unicam.it.

For more information, please consult the “*Information sheet for participants in competitions and selections announced by the University*”, published on the University website on the page dedicated to the selection procedure.

Art. 10

Public access to official records

In application of the transparency obligations, pursuant to Legislative Decree No. 33 of 14 March 2013, as amended by Legislative Decree No. 97 of 25 May 2016, **this Notice of the Selection Procedure, the list of candidates with the related curricula, the Decree appointing the Selection Committee, the minutes of the meetings, and the outcome of the aforementioned selection procedure** will be published on the University website, at: <http://www.unicam.it/bandi>.

This Notice of Selection Procedure is also published on the UNICAM online notice board (<https://titulus-unicam.cineca.it/albo/>), on the website of the Ministry of University and Research <http://bandi.miur.it>, and on the EU website <http://ec.europa.eu/euraxess>.

Art. 11

Note on the application of the legislation regarding the prevention of corruption.

The University of Camerino, pursuant to Law No. 190 of 06 November 2012, containing “Provisions for the prevention and suppression of corruption and illegality in the public administration”, has adopted its three-year plan for the prevention of corruption, which is published on the University website in the transparent Administration section. Any reports relating to anomalies found in the completion of the procedure referred to in this Notice may be sent to the Head of Corruption Prevention, General Manager Mr. Vincenzo Tedesco, to the following e-mail address: direzione.generale@unicam.it, or using the protected reporting procedure, to the following address: <http://www.unicam.it/amministrazionetrasparente/segnalazione-di-condotte-illecite-whistleblowing>

Art. 12

Person in charge of the Procedure

Person in charge of the procedure referred to in this Notice, is Ms. Anna Silano, phone: (+39) 0737.402024 e-mail: anna.silano@unicam.it.

THE RECTOR
Prof. Graziano Leoni